

Vol. 150



No. 3  
Feb. 1913  
Vascular flora Palau

Jan. 3 1913

✓ 11649 Cassia 18 in fl. green  
along R.R.

✓ 11650 Big Vines fl. with blue  
along R.R.

✓ 11651 Shrub to 8 ft

Erythroxylum? dry thickets

✓ 11652 Shrub 5 ft., hays slender  
dry thickets

✓ 11653 Vines, say 6-8 ft.

Broadburya fl. blue dry thickets

✓ 11654 Comp. low in grass, 6-8 in.  
le. white

✓ 11655 Shrub, 6 ft trifol leaf  
ft, bright red dry thickets

✓ 11656 Comp. herb fl. & blue  
dry field

✓ 11657 Xyris tall in wet grass  
near pool

✓ 11658 Polygonum, fl. white  
in shallows

11659 *Potamogeton?* Blue fls  
 in shallow water, Saguinus

11660 *Myriophyllum*, submerged  
 fls yellow Saguinus

11661 ✓ *Hydrocolea*, from alluv.  
 floating in shallow water

11662 *Sudwigia* in water 1 1/2-2 ft  
 in shallow water fls yellow

11663 *Sudwigia* floating in shallow  
 water, fls yellow submerged

11664 Aquatic, fls floating pale  
 on 1 1/2 ft. in shaded water  
 fls above, small.

11665 Shrub 4-6 ft., *Psychotria*  
 fls red in wet thickets

11666 Herb 12-18 in erect, fls  
 purple, damp thickets

11667 *Cassia*. Shrub 6-10 ft.  
 damp thickets

11668 Herbs in damp thickets  
 fls yellow bracts white

11669 Herb. 3-4 ft. fls white  
 wet. damp thickets

11670 *Solanum* 3-5 ft. fls  
 white fl bright red wet thickets

11671 Herb 2-3 ft. slender, in  
 wet thickets fls small white

11672 *Microseris* herb. vines to 12 ft.  
 fls white wet thickets

11673 *Gesneria* - Brunellae  
 vine in swamp & slender branches

Open S

11674 *Oplonia*, short vines, 1-2 1/2  
 fls pink fields

11675 *Euphorbia*. red  
 fields

11676 Vines, climb to 6 ft fls axillary  
 white dry thickets

11677 *Passiflora* semi-woody  
 vines 6-8 ft climb fl reddish black

11678 *Smilax*, woody vine many fls  
 fl black thickets

11679 *Aralia*, vine to 12 ft  
 fl. 3 in long thickets

11680 *Malphigia* Vines, stinging  
 to 6 ft fl white thickets

11681 Herb, Vine trifol leaf,  
 6-8 ft. fls greenish white thickets

11682 *Passiflora* woody many fls  
 greater to 2 in thickets

11683 *Aralia* Vines, *Loranthaceae*  
 fls greenish yellow 6-8 ft thickets

11684 *Smilacina* g. aia var  
 fls white 7 feet

11685 Waxy shrub to 10 ft.  
 yellowish fls. bark thick

11686 Woody vine, many feet  
 long, outside of fruit thick

11687 "Bauhinia" woody vine  
 to 10 ft. Thick

11688 Mikania, herb, vine, many  
 feet fls white

11689 Shrub 3-5 ft. soft  
 fls pink Thick

11690 Clematis, woody vine  
 purple fls white

Jan 10 Jas Palacio to  
 Prof Earls' Place, Barradana  
 across, Pine & Culpaterynax  
 Savanna

11691 *Polygala* to 2 in  
 fls white moist Savanna

11692 Mikania 2 ft., fls white to  
 pink by stream, Savanna

11693 *Crotalaria* 12-18 in  
 yellow. in grass, Savanna

11694 *Mimosa* 2 ft. compound  
 bracts blue fls small, Savanna

11695 *Smilacina* fls white, thick  
 pub red

11696 *Mimosa* roundish leaf.  
 fls small Savanna

11697 *Pithecellobium*, 30-40 ft. spreading  
 tree 3 brsf. scaly Savanna

11698 Tree, small, on side of deep  
 brook.

11699 Herb 1 ft. flexible  
 in grass by brook

11700 *Rhusia* 1 ft. fls pink  
 moist Savanna

11701 Shrub to 66 in  
 small fls white Savanna

11702 *Lysimachia*? yellow  
 damp Savanna

11703 Herb, fls blue 6 in  
 damp grass

11704 *Euphorbia* 6-8 in  
 Savanna

11705 *Ericophora* small 1 in high  
 moist path in Savanna

11706 *Rhineleucopora*  
 moist Savanna

11707 shrub 1 ft  
 fls white Savanna

1170 ✓ Cyperaceae to  
 1-2 cm. high,  
 moist ground,  
 most grassy

1170 ✓ Whistling fls herb 3-4 in  
 deep loam spots

1170 ✓ Hairy bush 1-2 in  
 moist loam spots

1171 ✓ Herb 2-4 in yellow  
 Gasteria-like? moist loam spots

1171 ✓ Very small bush 1/2 in  
 moist places

1173 ✓ Cyperacean 2-4 in filiform  
 trap.

1174 ✓ Cyperacean tall & slender  
 in water brook

1175 Firm, thin 30-40 ft  
 fls. coarse grained - 2 - trap

1176 Anima. thin bank of  
 (shaded) arroyo

1177 Coop 3-4 in fls white  
 shady bank of arroyo

1178 ✓ Sumb 8 ft. terminal  
 fls whitish arroyo bank

1179 ✓ moist Sumb 4-6 ft

1180 ✓ fls yellowish arroyo - bank

1181 ✓ Sumb 4-6 ft - arroyo  
 bank of arroyo

1182 ✓ Melastomacean 4 ft  
 fls pink, fls blue. bank of river

June 11 Hernandurum (Saxifrage  
 south of Rio Espe, mostly along  
 small brook) to Paso Real

11723 Creeping Legume, 18-24 in  
 fls purple, dry roadsides

11724 Cyperacean infl 5 bracts  
 near brook

11725 Legum., air grass fls white  
 & pink water side

11726 Sumb 12-18 in, mostly  
 under trap.

11727 Xyris in clumps 12 in  
 small fls; like sandy place

11728 Cyperacean 1-2 ft  
 bracts straw colored sandy

11729 Terrestrial orchid fls purple  
 2 ft. - eggs of hawk in tree

11730 Creeping Lush to 6 in  
 m sand

11731 Pringula broad leaves  
 very pale, fls white. bank of brook

11732 Cedar herb, fl. yel., fol  
 sweet fl. yellow dry grassy  
 11733 Creeping herb, ca. sand Segm  
 fl. bright blue  
 11734 Herb to 2 ft. fl. bracts white  
 base of brook  
 ✓ 11735 Lorreria fol red fl. pink  
 ✓ on iron stone base of brook  
 11736 Herb to 18 in fl. white  
 Gerardia? moist land  
 11737 Polygala fl. white  
 ✓ 11738 Herb 1 ft. in water, aromatic  
 bracts small purple  
 11739 Grass, Pannum, narrow  
 bruf. edge of brook  
 11740 Malvoidea fls & shrub 1 ft.  
 yellow, in grass  
 11741 Panicum, broadish bruf  
 edge of brook  
 11742 Grass 1 ft  
     dryish place  
 11743 Herb, comp. bracts white  
 1 ft. in water  
 11744 Creeping herb, fl. dark blue  
 on iron stone in base of brook

Jun 11 P.M. from Honduras (P)  
 Forts) near Arroyo to R.R. Vaca  
 to Palo Real  
 11745 Jaegeria. shrub 2-3 ft.  
 bluz fl. light w. dry soil  
 11746 Street herb, 12-18 in fl. blue  
     grass in Savana  
 ✓ 11747 Euphorb. strudel. to 18 in  
     grass in Savana  
 11748 Evolvulus? 18 in  
     grass in Savana  
 11749 Gerardia? 4 in fl. pinkish  
     scarcer moist savana  
 ✓ 11750 Comp., scape 6-8 in fl. white  
     dry place  
 ✓ 11751 Sabicea? scape to 1 ft.  
     fl. bluish dry iron gravel  
 11752 Mollastom, shrub to 5 ft  
     br thick & hard fl. white dry iron gravel  
 ✓ 11753 Small shrub to 8 in  
     Houstonia? fls white dry iron gravel  
 11754 Eugenia shrub 4 ft  
     along bank of stream fl. red  
 ✓ 11755 Jatropha 18 in  
     dry savana

11756 *Murlastor*, shrub 4 ft.  
 small grey plectritis by arroyo

11757 Creeping herb ft bright  
 blue in shade of shrub by arroyo

11758 *Saxifraga* sp. fl. pink  
 ✓ over bushes along arroyo

11759 "Cacao" shrub to 8 ft  
 fl. small black, along arroyo

11760 Shrub 5 ft. fl. white  
 near water

11761 Viex-like shrub 8 ft  
 thicker by arroyo

11762 Grape vine, rusty woolly,  
 beneath on bushes by arroyo

11763 Shrub 5 ft. fl. black  
 thicker by arroyo

11764 *Murlastor*, soft shrub  
 4 ft. fl. white terminal

11765. Shrub *Trura?* 5 ft  
 thicker along arroyo

11766 *Murlastor*, very hairy  
 herb-like axillary fl. white

11767 Malvaceae, half shrubby  
 4 to 5 ft fl. pink by arroyo

11768 *Murlastor*, 4 ft infl. red.  
 fl. white fl. bluish

11769 *Fern*, *Aspidium*  
 thicker by arroyo

11770 *Cithroxylin*, shrub 6 ft  
 fl. light red, thicker by arroyo

11771 *Blechnum*. Fern  
 thicker by arroyo

11772 *Sygodium*  
 thicker by arroyo

11773 *Polygala* - pink  
 in sand,

11774 *Oxalis* fl. yellow  
 in sand

11775 *Sygodium* young  
 - edge of arroyo

11776 Ipom. vine 2-3 ft  
 fl. bright red sandy R.R. track

11777 *Jatropha* 18 in name crop  
 fl. pink along sandy R.R. track

11778 Shrub 18 in spreading  
 fl. yellow. sandy R.R. track

11779 *Pinguicula* along sandy  
 R.R. track, polygynous fl. ch. blue

11780 *Pteris* 5 in  
 fl. blue sandy R.R. track

11782 Eriophyllum luteo-brass  
 ✓ moist sand along RR  
 11783 Malpighia, creeping shrub  
 ✓ holly-like leaves pink  
 11784 Eriophyllum, long leaf  
 ✓ moist sand along RR  
 11785 Verlaston suff. 4 ft. along  
 ✓ silvery underwach fls white RR  
 11786 Indigofera, moist sandy  
 place along RR track  
 11787 Malacothrix 4 ft  
 fls dark reddish along RR

Jan 15 Saguina & thickets  
El Caimital Vie Palacios

11788 Herb 9-16 in fls white  
 moist border of Saguina  
 11789 Herb to 12 in fls. yellow  
 pod smooth moist border of Saguina  
 11790 Herb to 12 in, pod rough  
 moist border of Saguina  
 11791 Cyperus 6 in  
 moist border  
 11792 Cyperus 6-10 in  
 moist border of Saguina

11793 Grass moist border of Saguina  
 ✓ grass moist border of Saguina  
 11794 Grass moist border of Saguina  
 11795 Grass, Sporobola? moist border of Saguina  
 11796 Grass moist border of Saguina  
 11797 Scirpus? 1-8 in moist border of Saguina  
 11798 Floating aquatic  
 ✓ fls yellow, in Saguina  
 11799 Herb. spiny, fls blue  
 in water  
 11800 Umbellifer  
 moist border of Saguina  
 11801 Cyperus tall 3-4 ft  
 in water  
 11802 Psychotria shrub to 5 ft  
 pod red fl black serrate, R.R.  
 11803 Convolvularia vine in  
 moist border of Saguina fl pink  
 11804 Grass moist border of Saguina  
 11805 Canna Indica fl red  
 moist border of Canna

11806 ✓ Grass  
in Orange Grove

Jan 17 Sas Palais south to  
to San Juan Zayac. savanna  
& River thickets)

11807 Slumb 3-4 ft. verletorum  
fls white, savanna just s. of San P.

11808 ✓ Araecan, creeping in  
tops of Sabal. "Palma Cana"  
(Thickets near San Juan de  
Zayac)

11809 ✓ Verletorum, 3-4 ft, fls elongated  
reddish black savanna

11810 ✓ Tree spiny, 10-15 ft  
sy thraerum? fls pink, near water

11811 ✓ Slumb 8 ft. fl yellow  
near water

11812 Cephalanthus 6-8 ft  
near water

11813 Coccolobiss" 7 m 15 ft  
fl red near water

11814 Sug. Vines 10-12 ft  
fls pink

11815 ✓ Slumb 10 ft  
fls yellow near water

11816 Spiny Slumb. 11 ft.  
twigs bright green incip. ly nitre

11817 Yellandia usneoides  
or tree near water

11818 Small tree, 15 ft, axillary  
fls white fragrant near water

11819 ✓ Tree 12 ft. small orange yellow  
fls. near water

11820 ✓ Tree 15 ft, fragrant fls  
white thickets

11821 Small tree 1.5 ft.  
infloresc fls white thickets

11822 Slumb 8 ft. fl large 1 in  
✓ Rubiacan thickets

11823 Mistletos, or Gouyuma  
fl. white

11824 Solanaceous vine 10 ft  
fl light red thickets

11825 Parasite? on Cissus

Jan 17 San Juan de Zayac to Bon Gabriel  
✓ thickets

11826 Wrd. spiny, crewp. side  
of trail

11827 Woody vine many fine  
fls white, thickets

11828 *Nicotiana*, fl yellow  
                   thickets

11829 *Passiflora*, 6-8 ft thickets  
                   fl oroid 1 in smooth yellow or

11830 *Solanum nigra*?  
                   fl white thickets

11831 *Rurilla*? 2 ft. hairy  
                   fl red white thickets

11832 *Iponmea*, virens. 2 ft  
                   capsules thickets

11833 *Cornus cordata*

11834 Herbs 8-10 cm, reddish  
                   most thickets

11835 *Convolvulus*, virens 6 ft  
                   capsules thickets

11836 Slender to 8 ft  
                   reddish black

11837 Grappa Americana  
                   10 ft. buds. scarce, thickets

11838 *Prenanthes*? 12 ft.  
                   thickets

11839 *Erigeron* tree 30 ft  
                   fl 3 in, very common in thickets

Jan 18th San abra to  
(near south coast) Finca de los Catala-  
na, and near mouth of Rio San  
Palacioz

11840 Slender to small tree 10 ft,  
                   fl yellowish green, thickets

11841 *Nicotiana* or Braya (Eury)

11842 *Eugenia*, round top, slender  
                   10 ft fl yellow thickets near River

11843 7 m to 40 ft *Sapindus*  
                   thickets near River

11844 Herb fl yellow (*Violaceae*)  
                   4-6 in sarana

11845 Herb, 4-6 in fl bluish  
                   in grass sarana

11846 *Polygala* pinkish fls.  
                   scarce sarana

11847 *Sudovia* 6 in  
                   yellow sarana

11848 Hairy herb 6 in, yellow  
                   sarana

11849 Herb (*Chenopodiaceae*?)  
                   fl yellow sarana

11850 *Cyperus*, small blade  
                   sarana

11851 Physalis, 6-12 in. yellow  
bunch over saraca

(Finals)

11852 Euphorbia 18 in yellow  
in grass sandy River land

11853 "grass 2 ft.  
in "Salina"

11854 Amaranthus creeping  
in "Salina"

11855 Malva? Herb 9-16 in  
yellowish in "Salina"

11856 Pileolaria? Herb 1-1½ ft  
Herd in "Salina"

11857 Herb 6 in Creole bloom  
grassy River land

11858 Passiflora 4-6 ft. red in  
fl smooth 1-1½ in globular <sup>River</sup> Saraca

11859 Chenopodi? Herb large  
yellow reddish in "Salina"

11860 Vines to 3 ft. fl bright  
pink (Amaranth) River land

11860 Polypodium fern  
in top of Copacabana <sup>Guiana</sup> River

11862 Sarcococca vine 3-6 ft  
fl red River land

11864 Croton fl white frag.  
green h, slender 18-24 in River land  
X

11863 Crinum, narrow crop fl white  
sandy River land

11865 Sudorigia 1 ft to 18 in  
yellow, sandy River land

11866 Vienn sp. fls. glob. ft  
1/3 in black pebbles red, sandy  
River land

11867 River trees to 75 ft or more X  
18 in thickets 3 crop.

11868 Epidendrum.  
or larger tree.

11869 Polypodium meianum  
on tree

11870 Aracean, vine in tops of  
"Salal" forest saraca  
Pu Valley of San Gabriel  
(San Juan de Jayar & Son's")

11871 Straggling tree 10-20 ft, bark  
white globular fruit brown, moist thickets

11872 Tree 20 ft. Scandent,  
fl white moist thickets

11873 Herb, reddish  
moist root thickets

11874 Creeping herb, infl.  
yellow white moist thickets

L West of Rio Palaeiro  
Rio Santa M<sup>a</sup>rgo

11875 *Asteraceae*, Vinn <sup>10-12</sup> ft  
by 1-2 inches others moist thickets

11876 Herb 16 in  
fls olive moist thickets

11877 *Cyperus*  
✓ sprouts moist thickets

11878 Herb 18 in. infl. axillary  
bracts white moist thickets

11879 Herb to 1 ft. spiny,  
moist thickets

11880 ✓ Herb, prostrate evergreen  
fls white moist thickets

11881 *Euphorbiaceum*, or. Lg. in  
shrub. fls. also Cim. plants

11882 Ovuled flat leaves  
on log in shade with cast

11883 *Typha* in moist  
thickets not in water

11884 *Broadburya* 2 ft  
bl. bl. blue dry sarama

11885 apoc Vinn 3-5 ft  
dry sarama

Jan 19 San Gabriel to Santa  
Monica (crossing Rio  
San Gabriel & Rio San Diego)

11886 *Bromeliaceae*, epiphytic  
trees in sarama

11887 Soft Shrub 3 ft.  
fls red to black, upright

11888 Weak Shrub 8 ft.  
fls bright yellow thickets

11889 *Asclepias* mira damp  
soil scarce fls white

11890 Shrub, Sylvestris? on bank &  
near of Rio Santa Marg<sup>a</sup> fls pink ✓

11891 *Mimosa* 7 m ar Shrub  
Oisante Dijo & Barita Monica very  
abundant and troubous to game  
at latter place.

11892 Woody Vinn - many part  
Oude bright red - Sarama  
west of Rio Santa Marg<sup>a</sup> ✓

11893 *Opuntia*, vinn 4-6 ft  
fls yellow reddish

11894 Thunbergia vinn 3-5 ft  
fls orange yellow reddish

11895 Rubiacet, Herb  
in dry grassland

Jan 26 San Gabriel to  
San Pablo de las Yaguas

11896 Pittosporum tree, 15 to 20 ft.  
✓ fl. red, semi-evergreen, thickets.

11897 Adiantum -  
by brook in shade

11898 Smal tree 15 ft  
no infl., thickets

11899 Tree 12 ft axill fls.  
white, thickets by stream

11900 Vanilla may perf (10)  
common in thickets by stream

11901 Potentilla in water  
swampy running  
jet of Sierra

11902 Semi woody shrub, less woody  
fls. yellow P. Riverbank

11903 Tree 30-40 ft, fl. white  
(Pithecellobium) Riverbank

11904 Tall fern by embankment  
5 ft,

11905 Clematis vine 10 ft  
fl. silvery thickets by stream

11906 Siva Oak large spreading  
tree up to 2 ft in diameter - 50 to 60

11907 fl. with an equal spread.

11908 Siva Oak, to 25 ft, narrow  
erap.

11909 Shrub 4-8 ft, tubular fls  
yellow in oak woods

11910 Siva Oak fls. greenish  
yellow, small tree, 20 ft,

11911 Shrub soft cratyl fl. bright  
blue = 11909 oak woods

11912 Tillandsia - grass-like  
on Siva Oak

11913 Solanum, woolly shrub  
6 ft, globose flower thickets in  
bamboo

11914 Tillandsia? Cystocarpus

on Siva Oak

11915 Tillandsia? small smooth

on Siva Oak

11916 Murastom, shrub to 10 ft

fl. white thickets in oak woods

11917 Cyperacean 3 ft in

thickets in oak woods

11918 Murastom, shrub to 10 ft,

fl. bl. purple, thickets in oak woods

11919 Shrub 10 ft,

fls. white

11920 Suckling tree 15 ft  
 no infl., oak woods

11921 ✓ Shrub to 1 ft.  
 fl. globes red oak woods

11922 ✓ Small shrub 10 ft  
 fl. dry yellow oak woods

11923 ✓ Orchid fls. bracts on live  
 oak?

11924 Epidendrum  
 on Live Oak San Blas

11925 Small tree 10 ft fls.  
 white

11926 Shrub 2-4 ft pink  
 white fls. Pin hills

11927 Murlastur, Tree to 15 ft  
 thick stiff bracts fls. pink Pin hills

11928 Ericaceous Shrub 2-5 ft  
 fl. white Pin hills

11929 Tree to 20 ft. bark rusty,  
 - thicket

11930 Murlastur, woolly misty bracts  
 to 6 ft fls. pink Thickets

11931 Shrub 5-6 ft, fl red  
 base of "Red Smith Catlinia"

11932 ✓ Veronika 6 ft  
 herb. fls. blue most bluish

11933 Woody vine to 20 ft. tubers.  
 fl. fragrant, white, live on cliff

11934 Cestrum 6-8 ft, fls. white  
 fl. blue, 7 leaves

Jan. 27 Galalou to San Pedro  
 del Caimito — across Shirley  
 pine hills.

11935 Evolvulus? vine like to 18 in fls.  
 bright blue, in grass Pin hills

11936 Thysle 1 ft.  
 fls. blue in grass Pin hills

11937 Syngonium, thickets, edge  
 of Pine land

11938 Small fern by stream  
 in Pine hills

11939 Creeping fern, fls. bluish  
 bright blue near by stream Pin hills.

11940 Murlastur, shrub to 8 ft  
 fl. white rocky side of Pin hills

11941 Shrub 1-3 ft, fl. dark red to  
 black rocky side of Pin hills

11942 Tree, to 8-10 ft, ponds  
 4-5 ft. very ravines in pine hills

11943 Spreading shrub 1-2 ft  
 fl. yellow canopy rocks, Pin hills

11944 ✓ Pinus - 2 m. to 73 from near Y 2 ft.  
 trunk - 2 br. -  
 11945 Vaccinium, shrub 6-8 ft  
 fls white, fr. dark reddish, very full  
 11946 Typhaceum? Knob br., shrub  
 to 4 ft., fls 1 1/2 in. long yellow, ravines  
 11947 Elatostachys in water in  
 ravine, Pin hills  
 11948 Sycopodium, ravines  
 ✓ of Pin hills  
 11949 Myrica - shrub to 8 ft.,  
 narrow br., by stream in Pin hills  
 11950 Shrub 3-6 ft fls pink  
 very rich of Pin hills  
San Pedro del Caimonte  
San Marcos, low limestone  
 wooded hills to west San Jose  
 de Siquia  
 11951 Shrub 4-6 ft  
 fls. light red Thicket in woods  
 11952 orchid small  
 river in woods  
 11953 Shrub 4-6 ft. fls pinkish  
 Thicket in woods  
 11954 Sabicea, tree 4 ft.  
 white branch trail  
 11955 ✓ Tree Seaside river bank  
 Guanacaste  
 11956 Shrub 4-5 m. trees in river  
 11957 Orchid, flat broad bracts  
 on Royal palm trunk  
 11958 Orchid winged pink "bulb"  
 flat on tree  
 11959 Orchid ft round no "bulb"  
 11960 Shrub 4-6 ft fls white  
 fl. blue Thicket  
 11961 Orchid fl. purple  
 11962 Jatropha, large fls.  
 5 ft. Thicket  
 11963 "Epidendrum ciliolatum" ✓  
 fls yellow river  
 west of San Jose de Siquia  
 across serpentine and ironore hills to  
 San Marcos  
 11964 Rubiacous Herb 2-3 ft  
 very abundant fls white base of hill  
 (Serpentine rock)  
 11965 Comp. herb. aromatic  
 by stream

11966 Shrub to 6 ft. fls whitish  
 white, changing to green. Script rock  
 11967 Herb. to 2 ft. tubular fls  
 yellow. on red iron ore  
 11968 Pier tall tree 10 ft x 1-1/2 in.  
 trunk 3 ft of narrow iron ore  
 11969 Euphorbia some shrub 4 ft  
 fls pink. small leaf  
 11970 Semievergreen Vines  
 fls white script rock  
 11971 Euphorbia some shrub to 6 ft  
 fls white. Lvs. large or more lyrate  
 11972 Avernia (fern) 3-5 in.  
 on serpentinite rock  
 11973 Shrub. 1-2 ft. fls yellowish  
 scented by stream on serpentinite  
 11974 Comp. by water on  
 serpentinite rock  
 11975 Gerlachioria 1-2 ft  
 lvs small. Pineland  
 11976 Shrub 2-5 ft. fls light  
 red. on iron ore  
 11977 Shrub to 6 ft. silvery  
 lvs and fls. script rock

Jan 28 Sam Marcos.  
 (Playa de Tumota, then up to Bahia  
 Honda)

11978 Clusia straggling shrub  
 on red 12 ft wood, Pinestone, crevices  
 11979 Herb. comp. dry grass by  
 roadside (near Las Posas)  
 11980 Shrub 4-5 ft forming dense  
 thickets. flowers colored  
 11981 Shrub 3-4 ft. fls whitish  
 11982 Jatropha 3-4 ft  
 fls bright red  
 11983 Asclepias 1/2 ft by river  
 bank. fls cream yellow  
 11984 Chara, densely covering large  
 pond - near Sam. M.  
 Jan 29 Bahia Honda across  
 Pinestone mountains to Rosario

11985 Shrubby Shrub 6-8 ft viscid  
 p. fls, thickets on blue serpentinite  
 11986 Shrub 4 ft. tubular fls yellow  
 thickets on Pinestone

11987 *Urtica* 2 ft. tall, in  
 sun & shade, near trail, fine

11988 Pilos, moist bank by  
 wall

11989 *Anemone*, firm 12-14 in  
 moist bank by

11990 ~~wall~~ 7 ft. tall, *Acanthaceae* 1 ft.  
 fls red

11991 Sedge, *Vinn* fls yellow  
 over bushes trail side

11992 *Adiantum*, side of trail

11993 *Solanum* 2 ft. young  
 patches side of trail fls white

11994 *Adiantum* coarse  
 sandy stream bank

11995 *Murastom*, herb-like  
 hairy 2 ft. fls white

11996 *Blechnum*  
 sandy moist bank by trail

11997 *Adiantum*  
 rock cast

11998 "Aspidium"  
 side of trail

11999 *Pstotium*, base of Royal  
 Palm, coming up Red Son, injured

12000 Shrub 6 ft. tall  
 sun & shade

12001 Tidy w/ the annuals in  
 crevices of rocks, bright

12002 Shrub 6-12 in., fls. rarely white  
 on rock in stream, sun & shade

12003 *Sympodium* red clay?  
 bank

12004 Forked fern  
 red clay bank

12005 Tree from 7 to 9 ft., rounded top:  
 long, red clay bank

12006 Grass, fls. brownish black  
 top of high hill

12007 Shrub or small tree fl. dark  
 red top of high hill

12008 Pepperomia on trees  
 brush woods

12009 Polyph. fl. brown  
 brush woods

12010 Creeping Poly. pink  
 on bushes brush woods

12011 Tree  
 brush woods

12012 Creeping Poly pink broad  
 br. f. on tree trunk in wood

12013 Shrub 3-4 ft  
var. *sun-sun*

12014 Shrub 4-5 ft. eventually tree  
12015 Aster, var. white at crossing  
of Rio, fl. white

12016 Shrub 6-8 ft  
by Rio

12017 Selaginella pendula on  
rocky banks

12018 Thrush, *Metallura erythrops* under side  
purple, fl. greenish/damp woods

12019 Terrestrial Orchids, bright  
red, in shade of woods

12020 Adiantum, large divisions

12021 Terrest. orchid 6 in white  
in denser shade

12022 Peppernicia upper side of trail  
green, white bracts

12023 Smilax, woody vine many  
ft., fl. bright red rocky trail side

12024 Vernonia 6 ft bush-like  
fl. purple

12025 Shrub 6 ft. fl. white  
terminal spikes

12026 Sugodum, narrowish seg-  
ments ~~dark~~ <sup>dark</sup> in w.

12027 Viola, blue on the blue  
side of trail

12028 Peppernicia strand -

12029 Psydraxia 5-7 stems  
6-8 ft fl. white fl. break  
Jan 30 El Rosario to Las  
Palacios

12030 Eupatorium 6 ft.  
white side of trail

12031 Solanum 6 ft  
narrow leaf

12032 *Crocosmia*? Lin rock  
X cliff

12033 *Vernonia* 5-6 ft  
fls. blue side of stream trail

12034 Nepturotopus bulbous  
Lin rock cliff

12035 Adiantum  
Lin rock cliff

12036 Pteris? broad frond  
Lin rock cliff

12057 Small tree 15 ft  
 fl white

12058 Pisorea woolly many fls  
 fl white

12059 Ficus spreading 50 x 50 ft

12040 Pilra, red stem Sun rocks in  
 Rio Taos Taev

12041 Buhuveria, shrub? 4 1/2 ft  
 Rio Taos Taev

12042 Acanthocereus bush 6-12 in  
 fl white on rocks near Tucumaco

12043 Asplenium on sun rocks  
 crossing of Rio Taos Taev

12044 Shrub 3-4 ft, fl bright  
 red. crossing of Rio Taos Taev

Feb 10 vicinity of  
 Sac Palacios, Prov. Piurandul  
Rio

12045 Amaranthus var  
 in Banana lands

12046 Saguinusca var  
 bush 8-12 in fls pink

Crys. in Jan 1912

12047 on twigs on bank of  
 cuff. river Galalor 1/26/12

12048 Marchantia damp sun rocks  
 crossing of a Riv. B.R. to El R. 1/29/12

12049 Fungus 3-4 ft tall.  
 crossing of Riv. 1/29/12

12050 Fungus  
 sac Sac Palacios Jan 3 1912

Feb 11 with Bro Brown, to photo.  
 Copernica maenglae  
 Somas de la Yata, near  
 Guanabacoa Prov. of Huelana  
 12051, Common vine? Climbs along road

12052 Crotalaria? shrub 4-6 in  
 fls white stony places

12053 Nicotelia - shrub 3-4 ft  
 fls pink stony places

12054 Eugenia, shrub to 5 ft  
 fls white thickets near creek

12055 Euphorbiaeae 1-2 ft  
 fls pink stony thickets

12056 Thicket 1-2 ft  
 roadside

12057 Sow grass - comp. 2 ft  
 12058 Cornus triangularis?  
 on rocks & stones ceilings!

Feb 15 Vacinity of Sanete Spurts

12059 Polygala flowers purple,  
 6-12 in in grass & dry hill

12060 Sow grass inf. red.  
 dry vegetation hill

12061 Chroma, turb. to 4 ft, along  
 Rio Yagabo

12062 Bohemna herbs to 3 ft along  
 Rio Yagabo

12063 Sow herbs 4 in. - Comp  
 yellow Radicans

Feb 16 Vacinity of Sanete Spurts:

to fine stone  
 hill, west of town

12064 Brachyura variegated  
 crop 5 to 12 in. blm dry grass

12065 Evolvulus 3-6 in. peren.  
 in dry grass

12066 Crocea, fls pink  
 dry grass and

12067 Rauvilia rubrae last  
 4-12 in fls white leaves

12068 Rubus 4 ft. 4-6 in  
 in water dry grass leave

12069 Cassia, semi shrubby 1 ft  
 fls yellow dry roadside

12070 Thunbergia, velutin, vine  
 2-4 ft. common in field

12071 Bidens 1 ft. yellow  
 dry roadside

12072 Petiver? purple  
 2-3 in yellow dry roadside

12073 Gram. 12 in  
 dry roadside

12074 Bur grass, inf nodules  
 roadside

12075 Sagittaria Circa 4 in  
 fls pink red dry roadside

12076 Silene form  
 moist roadside bank

12077 Castrum shrub to 8 ft  
 fls white thickets

12078 Piper shrub 4-6 ft  
 thickets

12079 Bidens fls pink  
 roadside

12083 S. milt 18 ft.  
 f. a. whitish. Perfect on rocks  
 12084 Cesena vine 10 ft. flagella  
 fl. pink. Limestone thickets  
 12085 Pignusacanthus vine, 10-20 ft.  
 Cephaelis sim. rock thickets  
 12086 Pisoura? weak shrub 8 ft.  
 Physalis sim. rock thickets  
 12087 Papaya stem to 20 ft  
 ✓ sim. rock thickets  
 12088 Polygalaceae shrub to 10 ft  
 fl. purplish sim. rock thickets  
 12089 Small tree 15 ft.  
 sim. rock thickets  
 12090 Castaneum shrub to 8 ft.  
 fl. bluish sim. rock thickets  
 12091 Sublesia cleopatrae  
 moist roadsides bank  
 12092 Stret tree to 20 ft  
 trunks especially dry limestone thickets  
 12093 Marisia? upright to 6 ft.  
 no infl seen outside rock crevices  
 12094 T. glandulosa on lime rock  
 12095 S. milt 18 ft. perfect  
 f. a. whitish. Perfect on rocks  
 12096 Crotona 12 in. plan like  
 damp roadside  
 12097 Murraea, Shrub to 12 ft  
 thickets  
 12098 Shrub to 10 ft. axillary flc  
 yellow thickets  
 12099 Mimosaer. Tree? pod  
 dry thin thickets  
 12100 Tabernamericana? 5 ft.  
 to 8 ft. thickets  
 12101 Pisoura shrub 5 ft.  
 pubescens thickets  
 12102 Psycotria shrub 5-7 ft  
 fl. red thickets  
 12103 Gracil 1-2 m infl, reddish  
 dry roadside  
 12104 Herb 3-6 in. dry banks  
 low flat places  
 12105 Creeping herb base of  
 Royal palm in shade by brook  
 12106 Adiantum stiff sharp  
 sediments shaded bank of brook  
 12107 Herb to 4 ft. Acanthaceae?  
 fl. bright red shaded bank

12104 Shrub to 4 ft., fls bright red  
 by brook

12105 7 mi ± 30 ft.  
 fls yellowish by brook

12106 Blackberry firm  
 shaded bank of brook

12107 Manjusarva firm  
 shaded bank of brook

12108 Aspidium?  
 shaded bank of brook

12109 Mistletoe on Euagrus  
 fl yellow

12110 Melastomacean shrub to  
 5 ft. fl bluish thickets

12111 Soft shrub, 7 mrs? 4 ft  
 roadside thickets

12112 Adiantum  
 bank of a brook

12113 Eupatorium semiwoody  
 to 8 ft. white fls, fragrant & sweet

12114 7 mi 50 ft. spicate fls  
 yellowish by brook

12115 7 mi - Inga? 8-10 ft  
 profusely fruiting by brook

12116 Bamboo to 6 ft. by brook

12117 Brachyscome broadleaf  
 fl white in grass

Feb 19 Vie Sanchez Spirea, with  
 of town into low dry hills

12118 Euphorbia - evergreen bush  
 dry roadside

12119 Tall grass  
 moist roadside

12120 Stylosanthes  
 0-1' cm, esq. car

12121 Saw grass  
 roadside

12122 Ruellia? branched  
 fl white roadside

12123 Sag. 7 mi fl pink  
 used for fencing

12124 Ruellia? bush to 1 ft  
 fl white, white, dry gravelly hill

12125 Wrack begonia to 15 in  
 yellowish dry gravelly hill

12126 Herb to 1 ft. fl white  
 dry gravelly hill

12127 Polygala 1/2 in fl. 1/2 in  
 bracts pink, dry gravelly soil

12128 Herb 3 to 8 in  
 fl white dry gravelly hill

1212 ✓ *Haus* l-10 in  
 flagellum

1213 ✓ 5' mts to 4 ft.  
 flagellum dry hill

1213 ✓ Creeping Larch  
 axillary whorls dry hill

1213 ✓ Small tree to 12 ft  
 fl globular yellow flower

1213 ✓ *Slygnatophyllum*  
 2 ft.

1213 ✓ *Aurita* S fern 3-4 ft  
 thickets

1213 ✓ *Craspedotrichum* tree to 20 ft  
 fl reddish or purplish

1213 ✓ *Aspidium*  
 shaded bank of brook

1213 ✓ *Melastomaceae* Shrub 6-8 ft  
 large leaf bank of brook

1213 ✓ *Fauaceous*, tree 20 ft  
 fl white base of brook

1213 ✓ Grass  
 dry hill

1214 ✓ *Cantua* - 5 ft tall 3-8 ft  
 fl yellow yellow flower

1214 ✓ *Griselinia* 3-8 ft  
 1000 ft

1214 ✓ *Cornova. vim.*  
 foliage on bushes

1214 ✓ *Euphorbiaceum* 3-6 in  
 fl white wadecide

1214 ✓ *Acanthusan* bush 1-2  
 fl purple thickets

1214 ✓ *Passiflora* 4 ft.  
 glob. fl purplish black, thick

1214 ✓ *Dyscritia* 4-5 ft  
 fl white thickets

1214 ✓ *Woody mimosa* vim  
 spiny, many fls, thickets

1214 ✓ *Slygnatophyllum*  
 mt 3-4 ft vim

1214 ✓ *Woody vim* 5-8 ft  
 fl white wadecide thickets

1215 ✓ *Iponmea*, yellow fls  
 greenish

1215 ✓ *Woody vim* 15-20 ft  
 fl white thickets

1215 ✓ Grass wadecide

Feb 20. Vie Sanchez specimens  
 beyond Somon la Cruz and  
 along Rio Yagabo

12153 *Courea*, Herbol. v. small  
 yellow flowers road  
 comp. corolla  
 bla white, along Guadalupe  
 12155 Sabicea smooth, fragrant  
     along Rio Yagalo  
 ✓ 12156 *Bursera* height 3 ft.  
     small fls. like Riverbank  
 12157 *Polygonum* in var.  
     ss. but Rio Yagalo  
 ✓ 12158 *Pretiosa?* comp. fresh & in  
     fls. like river  
 ✓ 12159 Palm. 6-10 ft. "big leaf"  
     dry field near Rio  
 ✓ 12160 Turneria to 5 ft. in river  
     in var., by stream, fls. pink  
 ✓ 12161 *Lumbacia alata*, bushy river  
     fls light yellow  
Feb 24 V. ie Sanete *Spiraea*  
     along or near Tunas R.R. to  
     Rio Jelainiken  
 ✓ 12162 *Munroa Rupestris* May to 20  
     fl. fls white, roadside  
 ✓ 12163 *Padialanthus?* Euphorb.  
     fls. like lantana fls. red. roadside  
 ✓ 12164. Creeping herb, very small  
     " " on rock in river

12165 Small 3-12 in. fls. yellow  
     white on rock in river  
 ✓ 12166 *Passiflora*  
 ✓ 12167 *Apoevium* - dry field  
 ✓ 12168 *Malpighia*, shrub 3 ft.  
     Leopoldo, Palo Bravo, dry field  
 ✓ 12169 Iponmea, Vines 2 ft.  
     dry capsule dry field  
 ✓ 12170 *Scirpus*, vines to 20 ft  
     fl red flower thick  
 ✓ 12171 *Bignoni*, Vines 15 ft. woody  
     big pat rough, dry thickets  
 ✓ 12172 *Xanthoxylum* shrub 6-8 ft  
     fls yellow dry thickets  
 ✓ 12173 *Passiflora* fls blm  
     over bushes  
 ✓ 12174 Water cress fls white  
     scattered, sandy river bank

Feb 27 Sanete spiraea to Banao-Tille -  
 past Banao-S. Seila to Pitajours then  
 down to Wm R. Harrison

Banao-tile River

✓ 12175 Tree to 50 ft. spreading  
     fls white "aguacatula"

12V76 7 m = 20 ft  
fls pinkish dry place.

12V77 Small tree  
fl bluish, dry bushes

12V78 Crinitidium fl. white  
on 12V5

Riviera to La Sibar

12V79 Ophioglossum, bright red  
mossy, on Crassulaeum in Corozo  
Saraceno

12V80 7 m 4000 ft sag -  
in fruit dry hill

Hills 28 Pitajuncos

12V81 Peperomia  
true bush in weave

12V82 Small tree, fls whitish  
bitter aromatic - Peperomia? wood

12V83 Maytenus? woody  
vine may fern along River

12V84 Sisyrinchium Polypod  
on rocks in shade

12V85 Small fern annual rock  
in shade

12V86 Adiantum woods side rock  
Gilia & Sisyrinchium

12V87 Grasse - dry place  
dry, so. sun

12V88 Adiantum  
side of cliff

12V89 Pilos. Wp of dry rock cliff

12V90 Brunellia gray  
on bushes, very top of mountain

12V91 Tacoma siccans shrub 6-8 ft  
rock top Sma. leaves

12V92 Polypodium falcatum  
rock top of Sma. leaves

12V93 Agave, shaft 15 ft  
bracts green 3 ft in fl. all up to

12V94 Euphorbia crass shrub or tree  
3-12 ft, very milky latex fl. nodes

12V95 Small tree to 20 ft  
among rocks top of Sma. Sibar

12V96 Citharexylon 10 ft

fl. white, fl. red very top of Sma. Sibar

12V97 Crollia adansonii Spiny tree  
to 25 ft & green leaves bark fl. red

12V98 Gamma broad leaf  
green top of Sma. Sibar

12V99 Croton 3-6 ft

fl. white annuals top of Sma. Sibar

12201 *Aspleniastrum* brown 12 ft.  
w/ lvs of some species

12201 *Zingiberaceae* 16 ft.  
w/ a separate small plant with  
white flowers

12202 *Adiantum coeruleum*  
rocky woods

12203 *Polyodium*, small thin  
on rocks in shade

12204 *Adiantum*  
rocky woods

12205 Orchid, small on tree  
trunk rocky woods

12206 Tree Pteris?  
w/ ferns

12207 Orchid fls small brownish  
yellow, on shaded rocks

12208 Manzanita tree.  
among rocks

12209 Orchid fls, sessile at  
base of branch, shaded rocks

12210 Creeping Polypt. ped.  
shaded rocks & bushes

12211 *Pselotum?*  
among rocks

12212 Terrestrial orchid, petiolate  
of several rocks, fls white

12213 *Omplopaeus*, w/ g. dry tall  
among rocks rising

12214 Orchid

12215 orchid tree trunk,  
yellowish.

12216 *Thlaspi* green,  
thin. Cray

12217 *Asplenium* or rocks  
in shade

12218 *Anisaea?* narrow br.  
w/ thin lvs

12219 *Adiantum*,  
dryish

Feb 29 Pitajours to Cierros de  
Porciano

12220 *Exocarya* 3-4 ft  
along Rio Umasassa

12221 *Adiantum*, thin Cray  
w/ lvs along Rd Umasassa

12222 *Piper* 4-6 ft  
along Rio Umasassa

12223 Slender - 4-6 ft fls.  
bright red along Rd. n.

12234 *Gesneriaceae* s.l. b  
 3-5 ft. well in Kirtland's Woods  
 ✓ 12235 Fern  
 ✓ wet places R. U.  
 12236 Polyp. polyp. in R. U.  
 ✓ 12237 *Rubiaceae* bush fl white  
 along R. U., on rocks  
 ✓ 12238 *Polypodium virginianum*  
 on log in woods  
 ✓ 12239 *Cirquey. Polypodium*  
 on bank  
 12240 *Simondsia* fl., wh. in  
 rocky woods  
 12241 Woody Vine fl purple  
 "Ortega" thick  
 ✓ 12242 Shrub to 6 ft. fl 3 $\frac{1}{2}$  in. ab  
 "Pitajou" in rich woods  
 ✓ 12243 *Anemone*, narrow  
 wavy leaves by pool  
 ✓ 12244 Herb *Urticariae* fl white  
 damp soil in woods  
 ✓ 12245 *Begonia*, fl.  
 camp limestone rocks  
 ✓ 12246 Fern, hairy,  
 damp soil  
 ✓ 12247 Poly. pink  
 Simon rocks  
 ✓ 12248 Fern scolloped  
 on rocks  
 ✓ 12249 Fern

12250 ✓ Fern small thin leaf

12251 ✓ elongated Adiantum

12252 Fern, thin leaf

✓ 12253 Peppernua  
Broad leaf

✓ 12254 Low shrub to 12 in  
soils in Water

✓ 12255 Peppernua  
on rocks

12256 Small orchid  
on tree trunk

✓ 12257 Small orchid on tree trunk  
pink skins scall

✓ 12258 Small orchid pinkish  
on tree

✓ 12259 Woolly Hnt. pinkish ph  
base of cliff

12260 Shrub 6-8 ft. pinkish  
base of cliff

✓ 12261 Juncaceae tree 100 x  
3 ft. from ground

March! Petayoures mostly  
w. mountain forest

12262 Tree 30 ft., sharp pointed  
fragile which (lost) by rains

12263 Vine "Pica Pica" 6-10 ft.

✓ 12264 Fern river bank

✓ 12265 Asclepias urvis  
white, river bank

✓ 12266 Clump Woods 1/2 fl pink  
Unnamassa, river bank

✓ 12267 Orchid fl yellow

✓ 12268 Verlastom shrub 4-6 ft  
white thickets

✓ 12269 B way, Vism may pink  
fragrant perfoliate - flowers

✓ 12270 Sisyr, woods  
fl white fragrant

✓ 12271 Brownish leaf thin leaf  
tree in woods

✓ 12272 Camostachys "Gow"  
tree to 15 ft

12273 Tree, thin stem 6 ft  
 fl white  
 12274 Palm to 10 ft, wings  
 in thickets, sp long.  
 12275 Tree to 18 ft fl white  
 woods  
 12276 Tree? fl red  
 12277 Croton fl white  
 12278 Convolv. Vine fl  
 bl blue  
 12279 Asclep. Vine  
 fragrant  
 12280 Small tree, Coralia?  
 fl thred  
 12281 Santolina? 3 ft  
 fl white dry desert  
 12282 Verbascum, slender 8 ft  
 very woolly dry stone hill  
 12283 Slender 4-5 ft  
 caprifolia dry stone hill  
 12284 Coccothrinax 25 ft  
 palm fl purple brown dry stone hill  
 12285 Syagnum  
 over thickets

12286 Vine, herbaeae fl white  
 fl angular over vine  
 March 2 along <sup>Riv</sup> Guamassa  
 Pitayours

12287 Tree to 60 ft Segunus  
 seed brown, woods  
 12288 Vitacean slender to 12 ft  
 pointed fl white, woods  
 12289 Big Bean, wavy vine  
 1 to 20 ft x 6 in. for woods  
 12290 Brown leafed

12291 Slender 3-5 ft, undershrub  
 fl bright red Woods

12292 Phytolacca Tree  
 scarlet in wood

12293 Psydraxia 6 ft  
 fl white, thick leaf.

12294 Woody 5 ft x 1/2 in  
 fruit.

12295 Asplenium small  
 by river

12296 Herb 6 in fl white  
 by river

12297 Cypressine, white  
 v. fl. tree bark  
 ✓ 12298 Tree Aspidium ?  
 fl. tree bark  
 12299 Araucaria tree  
 . 20 ft. woods

With 3 from Sa Seiba  
& "Riverton"

12300 "Sabieu" tree to 50 ft.  
 subcanopy, open woods  
 ✓ 12301 Xanthoxylum tree to  
 50 ft., trunk sparingly spry, bark  
 ✓ 12302 Sig. tree, fl. pink  
 & 50 ft. open woods  
 12303 Spreading tree to 18 ft.  
 fl. yellow Corvo Sarsua  
 ✓ 12304 Shrub to 10 ft.  
 Corvo Sarsua  
 12305 Corvoelodium <sup>shrub to</sup>  
 & 20 ft. Corvo Sarsua

Riverton to Banao

12306 Sterculia <sup>fl. white</sup>  
 fl. white Coroia  
 ✓ 12307 Tree to 60 ft.  
 fl. white manzanilla  
 ✓ 12308 Spreading tree to 50 ft.  
 fl. white Coroia?  
 ✓ 12309 Tree 40 ft.  
 fl. white woods  
 12310 Small tree to 35 ft.  
 axill. fl. yellow fragrant & fragrant  
 ✓ 12311 Paritium ? spreading  
 tree to 50 ft.  
 12312 Slender tree 40 ft. scattered  
 fl. yellow  
 ✓ 12313 Nutriton ft. black  
 ✓ 12314 Tree to 30 ft., twigs strong  
 aromatic, used for fences  
 ✓ 12315 Shrub or small tree to 15 ft.  
 axill. fl. whitish-aromatic &  
 bitter  
 ✓ 12316 Tree to 40 ft.  
 edge of woods  
 ✓ 12317 Slender tree to 30 ft.  
 just to lobra edge of woods  
 ✓ 12318 Shrub - woodcull fls  
 white abundantly "escaped"  
 at Banao.

12319 B  
Grafts on fls blue from  
overseas Bawao River

12320 Brunellia, gray or  
brownish in Red Banco

12321 Small tree to 15 ft  
fl redish dry thickets

12322 Brunellia crystallinum  
on tree trunks

12323 woolly grass, near  
: Wauassa River

12324 Crystal " "

12324a " "

12325 " "

Feb 8-10 Vacinity of  
Mazamilla  
Hill Creek Dog town

12326 Spiny shrub to 5 ft  
fl whitish dry thickets

12327 Malpighia tree 2-4 ft  
fl blue, dry thickets

12328 Sag herb, Creeca?  
1/2-2 ft. fls bluish dry bank

12329 Spiny shrub to 5 ft  
fl whitish = 12326

12330 Soft, shrub 7-2 ft  
fls bluish red dry thickets

12331 Comp., 3-5 ft herb  
fl yellow dry thickets

12332 Comp.  
wide white moist ground

12333 Comp., herb, fls pale  
white moist ground

12334 Trileptosper, woolly herb  
to 1/2 ft. fls white moist ground

12335 Brachyura 3-5 ft  
fls pink thickets

12336 Bignonia, vine 6-10 ft  
fls white, throat yellow-thickets

12337 Ficus - tree 30 ft  
fl 1/2 in reddish roadside

Marele 11 urh, Araceae  
swamp north of town (Mangrove?)

12338 Sisyrinchium Agave-like  
fls whitish mostly water plants

12339 "Pontederia" herb in  
water fls blue, ditch

12340 Urak herb, Sepia?  
fls orange-white

12341 Clemopodium herb  
fls reddish wet land

Wklt 12 Yirra Manzanillo  
Road also water from  
side of train

12342 Hard bush Acanthus  
4 ft. fls yellow dry reddish  
12343 Small 3 ft. Woolly  
fls yellow reddish  
12344 Grass

12345 Comp bush; aromatic  
fls bluish reddish

12346 Strict shrub to 10 ft  
fl globular black thicker

12347 Caesalpiniaceae shrub to  
8 ft. fl reddish thicker

12348 Serjania 4 ft. small  
brsf. our bushes in ditch

12349 Small tree to 12 ft  
on crack

12350 Weak shrub to 10 ft  
fls axillary on crack

12351 Sag. Vine Canavalia  
fl brown on crack

12352 Malpighia, Stygnophylla  
var to 6 ft yellow

12353 Shrub 2-3 ft. fl white  
on crack

12354 Corolla ? shrub to 10 ft  
fl red on crack

12355 Convolv. vine 3-6 ft  
capsules thicker near crack

12356 Amaranthaceae, compact  
fl white

Wklt 13 Yarra & Manzanillo

12357 Orchidium on "Ebony"  
fls bl yellow dry savanna

12358 Solanum 4-6 ft  
flowers along R.R.

12359 Malvaaceae 3 ft  
along R.R.

12360 Herb, 2-4 ft. spring  
fls blue in ditch

12361 Malvaaceae 3-5 ft  
dry slope near R.R.

12362 Mimosaceous herb to  
10 ft, base swollen fl yellow, in water

12363 Cucurbit. Vine  
fls over the knot

12364 Cassia 2m to 20 ft  
thickets close to swamp

12365 Orchid, on tree  
overhanging river,  
12366 Bromeliad, gray  
on *Auraria virginiensis* Swamp  
12367 Comp 3-6 in flat on  
ground, yellow, wadsicle  
12368 Soft shrub? 4-5 ft  
ft red fls white  
12369 Mistletoe yellow  
on tree on Ebony? Savana  
12370. Shrub upright to 10 ft  
fl black, dry thickets  
12371 Xyridoxylum Shrub  
to 10 ft, dry thickets  
12372 Rurrella tenuirostra  
/ helmet seen Savana  
12373 Soft Shrub 4-6 ft.  
fl white dry thicket  
12374 Small tree 20 ft or  
ashrub, fl yellow "dry?" Savana  
12375 Tharrissia 4 ft  
dry thickets in Savana  
12376 Polygalaceous Shrub  
8 ft, purplish fls thicket  
12377 Orelia flat leaf  
on tree by swamp.

2378 orchid, fl. reddish  
white in Savana  
12379 Tree to 25 ft., fl 3 in  
yellow blw. Fls dry Savana thick  
12380 Polypomma red flowers in  
logs

March 15 Vie Bayano

12381 Urda, Herb fls purplish  
blue shrub of Bayano  
12382 Bahaavia? small herb  
fls, purplish shrub of Bayano  
12383 Shrub to 8 ft  
with fls white roadside s. of town  
12384 Tubermonotana Shrub 6-8 ft  
fl white, fragrant, by brook  
12385 Brag, Vines later, plantlets  
roadside over bushes  
12386 Low grass, gravelly  
bank of Rio Bayano  
12387 Cyperacean moist bank  
of Rio Bayano  
12388 Eltrocharis? moist  
bank of Rio Bayano

Mehrtens Bayano  
Oriente

12389 Cassia, Spec. slender  
6 ft., along RR yellow

12390 Comp. bush 6 m  
yellow along RR

✓ 12391 Cassia t. 10 ft  
yellow thickets

12392 Comp. bush 18 in fl. bracts  
white along ditch

12393 Grace along RR

12394 Comp. scap 5-9 m  
white Sarana

12395 Comp. t. 9-15 m  
fl. blue Sarana

12396 Shrubs 4-9 m Sarana

12397 Sebastian fl. blue

12398 Ammiace 4-9 m Sarana

12399 Polygala fl. bl. bluish Sarana

12400 Mall shrub t. 8 ft  
yellow fl. white Sarana

12401 Shrub 6 ft. fl. white  
open woods

12402 Croton 6 ft  
deciduous open woods

12403 Mistletoe fl. yellow  
on Guayama? woods

March 21.  
San Juan Road and River  
valley, Vizcaya Oriente

12404 Cassia 7 m t. 20 ft  
fl. yellow, very common roadside & pasture

12405 Acacia? spreading tree t. 20  
ft. fruit fl. roadside

12406 Cordia. tree 12-40 ft  
very common roadside & fields, fl. cream

12407 Shrub, t. 4 ft. on soft rock  
excavations, roadside

12408 Acanthus? bush 11-3 ft  
fl. red roadside thickets

12409 Croton? shrub t. 3 ft  
fl. white, dry bank

12410 Ipororac? vine to 10 ft  
fl. white

12411 "wax bush, w/ fl. white  
wet, moist places

12412 Itura cupuliflora t. 75 ft  
very abundantly naturalized along river

12443 ✓ Small tree 10-12 ft. fl. red  
 near hickete

12444 Malacaceous tree 3 ft  
 yellow river bank

12445 Charoi  
 in river

12446 Cyperus alternifolius? tig.  
 river bank

12447 ✓ Shrub to 1.5 ft.  
 fls white, bright yellow

12448 millet grass 1.2 ft

12449 ✓ yellow & dry thicket

12450 Imparina river 6-8 ft  
 fls small white thickets

12451 ✓ Tree to 35 ft fl white  
 low ground, numerous

12452 Seignaria woody vine to 20 ft.  
 fls white fl. red, blossoms

12453 Tournefortia, vine like  
 8-10 ft. fls white thickets

12454 Tillandsia small group  
 on trees low land

12455 Small tree 10-12 ft  
 woody top, fls white red, 6 in

12456 Creeping 1.5 under 2-3 ft  
 fl. white dry river

12457 ✓ Cedrela tree 40 ft  
 in forest St Juan Hill

12458 Yerba-stroja wood 2 ft  
 fls white

12459 ✓ Rurina, 2 ft fl white  
 fls red

12460 Agave in St Juan River

12461 Agave do

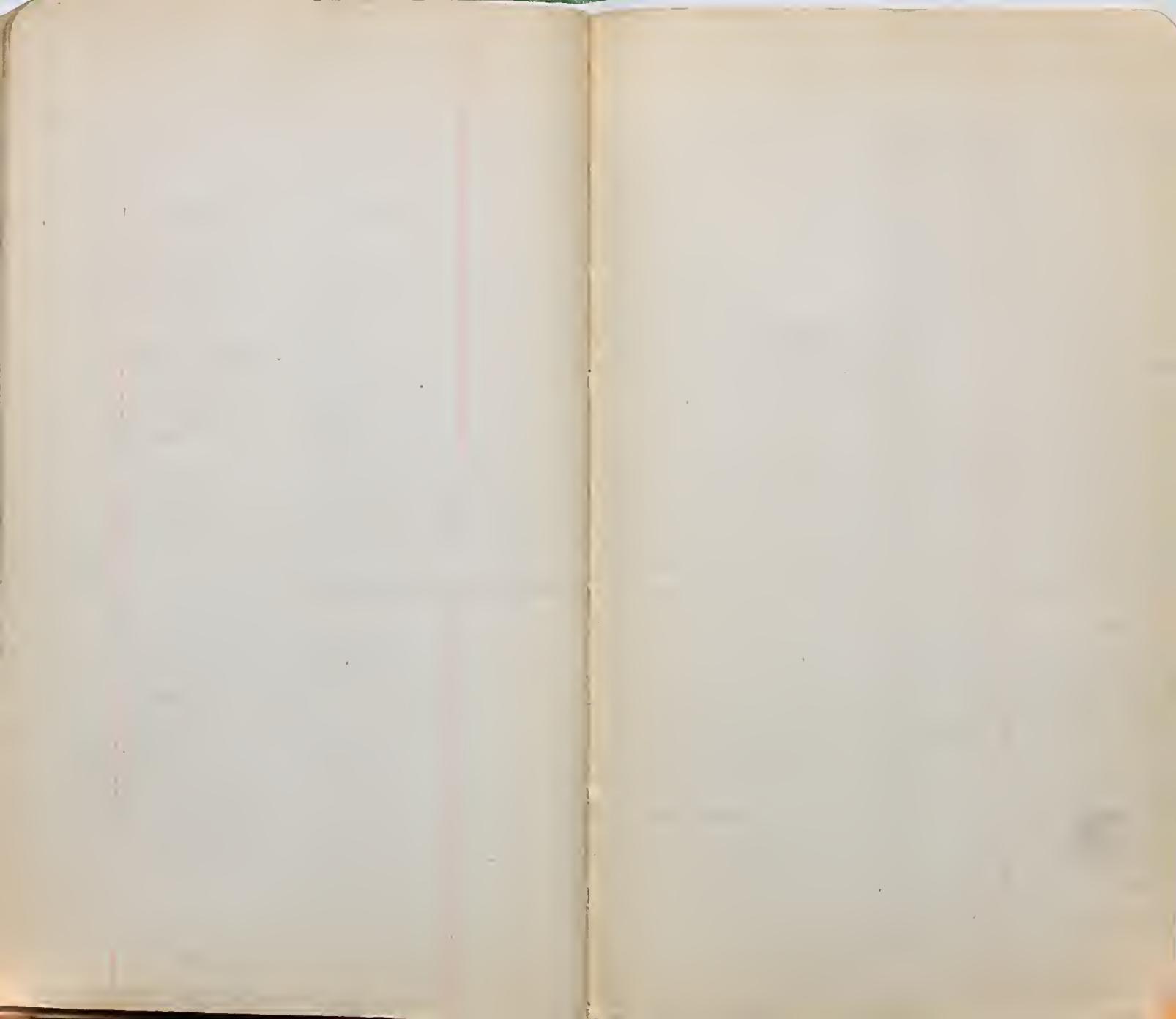
12462 Agave " "

Vie Tholquin Apr 4.

12463 ✓ Castus  
 dry hill

12464 ✓ Isocoma, shrub  
 6 ft. dry hill side

12465 ✓ Jacaranda shrub  
 to 6 ft. fls bright blue, dry hill







Conservation work performed  
1987-1988. NY State  
Conservation/Preservation  
Discretionary Grant.



JAIME SERVIA,  
MANAGER.

FERROCARRIL DE CUBA  
HOTEL ANTILLA.  
ANTILLA, CUBA.

April 6 1913

My 6000 or Butter

Sat in town with  
plunder Q.S. found Cactus a h.  
Holguin after a good hard search  
for it it seems to be extremely poor  
and rather scarce,

Please find entries also  
my last number is. 12434  
(12434)

Boat is just in and  
will probably set out on time  
with regards to all

Sincerely

Gasteyer